

INTERNATIONAL SEARCH REPORT

International Application No

PCT/JP2004/019271

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 B60H1/32

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 B60H

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	EP 1 095 804 A (KABUSHIKI KAISHA TOYOTA JIDOSHOKKI; KABUSHIKI KAISHA TOYODA JIDOSHOKKI) 2 May 2001 (2001-05-02) paragraph [0039] - paragraph [0043]; figures 1,7,8	1,5,6,8, 9,13,14, 16
X	US 2003/051495 A1 (OHTA HIROMI ET AL) 20 March 2003 (2003-03-20) paragraph [0044] - paragraph [0051]; figures 1,3	1-4,7, 9-12,15
A	US 2001/025500 A1 (BASCOBERT RENE F) 4 October 2001 (2001-10-04) paragraph [0033]	5,6,13, 14
A	US 2002/023451 A1 (KURODA YASUTAKA ET AL) 28 February 2002 (2002-02-28) paragraphs [0047], [0078]	8,16

☐ Further documents are listed in the continuation of box C.☒ Patent family members are listed in annex.

* Special categories of cited documents:

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

T later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

X document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

Y document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

B document member of the same patent family

Date of the actual completion of the international search

2 March 2005

Date of mailing of the international search report

15/03/2005

Name and mailing address of the ISA
European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 661 epo nl,
Fax: (+31-70) 340-3016

Authorized officer

Gumbe], A

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/JP2004/019271

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
EP 1095804	A	02-05-2001	JP 2001133053 A	18-05-2001
			EP 1095804 A2	02-05-2001
			US 6481227 B1	19-11-2002

US 2003051495	A1	20-03-2003	JP 2003080936 A	19-03-2003
			DE 10242900 A1	24-04-2003

US 2001025500	A1	04-10-2001	US 6209333 B1	03-04-2001
			US 5836429 A	17-11-1998
			CA 2210790 A1	27-07-1998
			EP 0855297 A2	29-07-1998
			JP 10203154 A	04-08-1998
			US 2001010157 A1	02-08-2001
			US 2001010158 A1	02-08-2001

US 2002023451	A1	28-02-2002	JP 2003002048 A	08-01-2003
			DE 10141592 A1	14-03-2002
